

In the Claims:

1. (Currently Amended) A method for cutting an associated ply stock (S) along a cut line using a cutting apparatus comprising a knife assembly, means for moving said knife assembly normally toward and away from said ply stock (S), and means for traversing said knife assembly between a first lateral edge and a second lateral edge of said ply stock, said knife assembly including a blade having a cutting portion including a leading point, a leading edge and a trailing edge, said trailing edge having an associated length (L), said leading edge having a curved profile with a concave portion followed by a convex portion, and said trailing edge having a straight profile, said ply stock (S) having spaced first and second lateral edges, the method comprising the steps of:

a. moving said knife assembly toward said ply stock (S) to insert the leading point of said knife blade into said ply stock (S) at an insertion point spaced a distance (D) from said first lateral edge wherein distance (D) is less than or equal to length (L) in order to back-cut said ply stock (S) from said insertion point to said first lateral edge with said trailing edge of said blade; and,

b. traversing said knife assembly across said ply stock (S) toward said second lateral edge in order to cut said ply stock (S) from said insertion point to said second lateral edge with said leading edge of said blade and provide severance of said ply stock (S) from said first lateral edge to said second lateral edge, wherein said leading point of said knife blade is inserted into said ply stock a single time to produce said transverse cut.

2. (Previously Presented) The method of claim 1 wherein the cutting apparatus further includes an anvil having a slot in a support surface, said slot being generally aligned with the cut line, the method further comprising the steps of:

a. inserting said leading point of said knife blade into said slot in said anvil after inserting said leading point into said ply stock (S); and,

b. maintaining said leading point within said slot while said knife assembly traverses said ply stock (S).

3. (Previously Presented) The method of claim 1 wherein said cutting apparatus further includes means for heating said knife blade, the method further comprising the step of:
heating said knife blade before inserting said leading edge into said ply stock (S).
4. (Previously Presented) The method of claim 3 further comprising by the step of:
maintaining said heating means near said first lateral edge of said ply stock (S) during the traversing of said knife assembly.
5. (Previously Presented) The method of claim 1 wherein said leading edge of said knife blade includes a concave cutting portion, the method further comprising:
engaging said concave cutting portion of said leading edge with said ply stock (S) after inserting said leading point into said ply stock (S).

Claims 6-8. (Cancelled)

9. (Currently Amended) A cutting apparatus for cutting an associated ply stock (S) having a width along a cut line between first and second lateral edges, said apparatus comprising a knife assembly, means for moving said knife assembly toward and away from said ply stock (S), and means for traversing said knife assembly between said first and second lateral edges of said ply stock (S), said knife assembly including a blade having a cutting portion including a leading point, a leading edge and a trailing edge, said trailing edge having an associated length (L), said leading edge having a curved profile with a concave portion followed by a convex portion, and said trailing edge having a straight profile, said cutting apparatus comprising:
said knife assembly having a home position wherein said leading point of said blade is directly above an insertion point of said associated ply stock (S) and wherein a distance (D) between said first lateral edge of said associated ply stock (S) and said insertion point is less than or equal to said associated length (L) of said trailing edge, wherein said leading point of said knife blade is inserted into said ply stock a single time to produce [[said]] a transverse cut.
10. (Previously Presented) The cutting apparatus of claim 9 further comprising:

an anvil positioned below said knife assembly and having a slot in a support surface, said slot being generally aligned with said cut line.

11. (Previously Presented) The cutting apparatus of claim 9 further comprising:
means for heating said knife blade.
12. (Cancelled)